

**IN THE CLAIMS:**

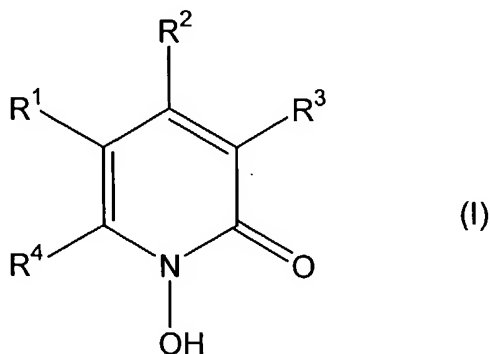
In accordance with the allowed format of amendments, each claim of record is mentioned or appears set forth below. Please replace all prior versions of the pending claims with the version that follows.

For the Examiner's convenience, claims 1-13 have been canceled without prejudice or disclaimer, and claims 14-25 have been added.

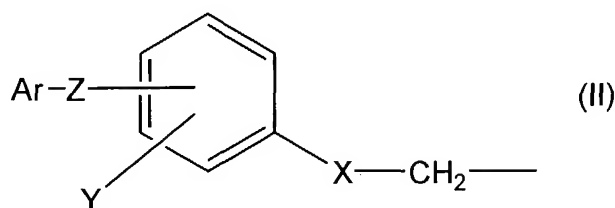
1-13. (Canceled).

14. (New) A method of treating a human or animal patient in need of treatment for seborrheic dermatitis comprising administering to the patient an amount effective for the treatment of seborrheic dermatitis of a composition comprising:

- (A) an active component consisting essentially of at least one 1-hydroxy-2-pyridone of formula I, wherein the at least one 1-hydroxy-2-pyridone is present in free form or as a pharmaceutically acceptable salt:



where  $R^1$ ,  $R^2$ , and  $R^3$ , which are identical or different, are H or alkyl having 1 to 4 carbon atoms, and  $R^4$  is a saturated hydrocarbon radical having 6 to 9 carbon atoms or a radical of formula II:



where:

- X is S or O;
- Y is H, or 1 or 2 identical halogen atoms, or a mixture of 2 different halogen atoms;
- Z is a single bond, or a linking radical comprising
- (1) O, or
  - (2) S, or
  - (3)  $-CR_2-$ , where R is H or  $(C_1-C_4)$ -alkyl, or
  - (4) from 2 to 10 carbon atoms linked in the form of a straight or branched chain, which optionally further comprises one or more of the following:
    - (i) carbon-carbon double bond, and
    - (ii) O, S, or a mixture thereof, wherein if 2 or more O or S atoms or a mixture thereof are present, each O or S atom is separated by at least 2 carbon atoms; and,

in any of the foregoing linking radicals, any remaining free valences of the carbon atoms of said linking radical are saturated by H, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, or a mixture thereof;

and

Ar is an aromatic ring system having one or two rings, the aromatic ring system being unsubstituted or substituted by one, two, or three radicals, which are identical or different, and are chosen from halogen, methoxy, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, trifluoromethyl, and trifluoromethoxy; and

(B) at least one surfactant chosen from anionic surfactants, cationic surfactants, nonionic surfactants, and amphoteric surfactants;

wherein the composition has a pH ranging from about 4.5 to about 6.5; and

wherein the composition is one phase.

15. (New) A method of treating a human or animal patient in need of treatment for seborrheic dermatitis as claimed in claim 14 in which the at least one 1-hydroxy-2-pyridone of formula I comprises a cyclohexyl radical in the R<sup>4</sup> position.

16. (New) A method of treating a human or animal patient in need of treatment for seborrheic dermatitis as claimed in claim 14 in which the at least one 1-hydroxy-2-pyridone of formula I comprises an octyl radical of the formula -CH<sub>2</sub>-CH(CH<sub>3</sub>)-CH<sub>2</sub>-C(CH<sub>3</sub>)<sub>3</sub> in the R<sup>4</sup> position.

17. (New) A method of treating a human or animal patient in need of treatment for seborrheic dermatitis as claimed in claim 14 in which the composition

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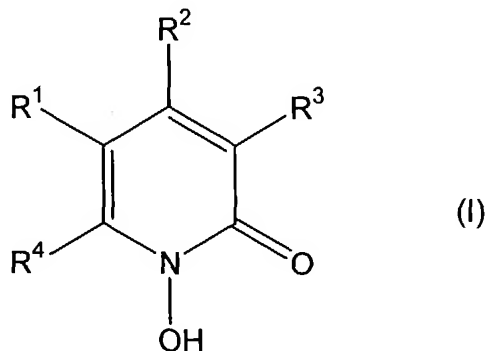
1300 I Street, NW  
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comprises 1-hydroxy-4-methyl-6-(4-(4-chlorophenoxy)phoxymethyl)-2(1H)pyridone, 1-hydroxy-4-methyl-6-cyclohexyl-2(1H)pyridone, or 1-hydroxy-4-methyl-6-(2,4,4-trimethylpentyl)-2(1H)pyridone, or a pharmaceutically acceptable salt of any of the foregoing, or a mixture of any of the foregoing.

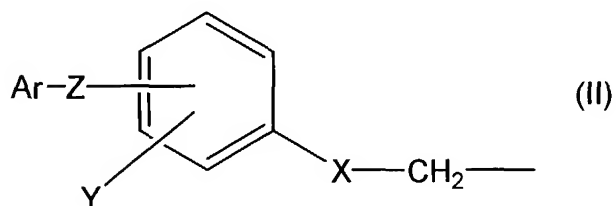
18. (New) A method of treating a human or animal patient in need of treatment for seborrheic dermatitis as claimed in claim 14 in which the composition further comprises at least one additional surfactant chosen from anionic, cationic, nonionic, and amphoteric surfactants.

19. (New) A method of treating a human or animal patient in need of treatment for seborrheic dermatitis comprising administering to the patient an amount effective for the treatment of seborrheic dermatitis of a composition comprising:

(A) an active component consisting essentially of at least one 1-hydroxy-2-pyridone of formula I, wherein the at least one 1-hydroxy-2-pyridone is present in free form or as a pharmaceutically acceptable salt:



where  $R^1$ ,  $R^2$ , and  $R^3$ , which are identical or different, are H or alkyl having 1 to 4 carbon atoms, and  $R^4$  is a saturated hydrocarbon radical having 6 to 9 carbon atoms or a radical of formula II:



where:

X is S or O;

Y is H, or 1 or 2 identical halogen atoms, or a mixture of 2 different halogen atoms;

Z is a single bond, or a linking radical comprising

(1) O, or

(2) S, or

(3)  $-CR_2-$ , where R is H or  $(C_1-C_4)$ -alkyl, or

(4) from 2 to 10 carbon atoms linked in the form of a straight or branched chain, which optionally further comprises one or more of the following:

(i) a carbon-carbon double bond, and

(ii) O, S, or a mixture thereof, wherein if 2 or more O or S atoms or a mixture thereof are present, each O or S atom is separated by at least 2 carbon atoms; and,

in any of the foregoing linking radicals, any remaining free valences of the carbon atoms of said linking radical are saturated by H, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, or a mixture thereof;

and

Ar is an aromatic ring system having one or two rings, the aromatic ring system being unsubstituted or substituted by one, two, or three radicals, which are identical or different, and are chosen from halogen, methoxy, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, trifluoromethyl, and trifluoromethoxy; and

(B) at least one surfactant chosen from anionic surfactants, cationic surfactants, nonionic surfactants, and amphoteric surfactants;

wherein the composition has a pH ranging from about 4.5 to about 6.5; and

wherein the composition is a shampoo.

20. (New) A method of treating a human or animal patient in need of treatment for seborrheic dermatitis as claimed in claim 19 in which the at least one 1-hydroxy-2-pyridone of formula I comprises a cyclohexyl radical in the R<sup>4</sup> position.

21. (New) A method of treating a human or animal patient in need of treatment for seborrheic dermatitis as claimed in claim 19 in which the at least one 1-hydroxy-2-pyridone of formula I comprises an octyl radical of the formula -CH<sub>2</sub>-CH(CH<sub>3</sub>)-CH<sub>2</sub>-C(CH<sub>3</sub>)<sub>3</sub> in the R<sup>4</sup> position.

22. (New) A method of treating a human or animal patient in need of treatment for seborrheic dermatitis as claimed in claim 19 in which the composition comprises 1-hydroxy-4-methyl-6-(4-(4-chlorophenoxy)phenoxy-methyl)-2(1H)pyridone, 1-hydroxy-4-methyl-6-cyclohexyl-2(1H)pyridone, or 1-hydroxy-4-methyl-6-(2,4,4-trimethylpentyl)-2(1H)pyridone, or a pharmaceutically acceptable salt of any of the foregoing, or a mixture of any of the foregoing.

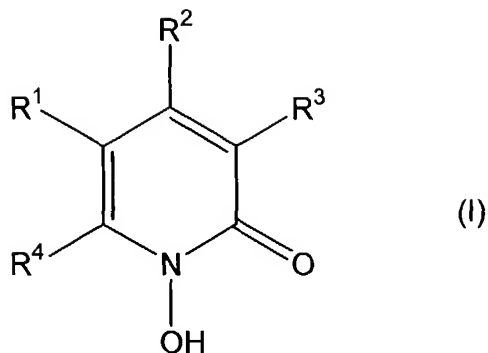
23. (New) A method of treating a human or animal patient in need of treatment for seborrheic dermatitis as claimed in claim 19 in which the composition further comprises at least one additional surfactant chosen from anionic, cationic, nonionic, and amphoteric surfactants.

24. (New) A method of treating a human or animal patient in need of treatment for seborrheic dermatitis comprising administering to the patient an amount effective for the treatment of seborrheic dermatitis of a composition which comprises:

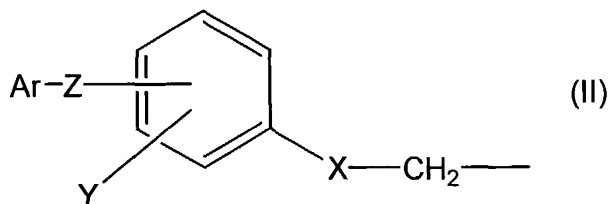
(A) at least one 1-hydroxy-2-pyridone of formula I, wherein the at least one 1-hydroxy-2-pyridone is present in free form or as a pharmaceutically acceptable salt:

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where  $R^1$ ,  $R^2$ , and  $R^3$ , which are identical or different, are H or alkyl having 1 to 4 carbon atoms, and  $R^4$  is a saturated hydrocarbon radical having 6 to 9 carbon atoms or a radical of formula II:



where:

X is S or O;

Y is H, or 1 or 2 identical halogen atoms, or a mixture of 2 different halogen atoms;

Z is a single bond, or

a linking radical comprising

(1) O, or

(2) S, or

(3)  $-CR_2-$ , where R is H or  $(C_1-C_4)$ -alkyl, or



(4) from 2 to 10 carbon atoms linked in the form of a straight or branched chain, which optionally further comprises one or more of the following:

- (i) a carbon-carbon double bond, and
- (ii) O, S, or a mixture thereof, wherein if 2 or more O or S atoms or a mixture thereof are present, each O or S atom is separated by at least 2 carbon atoms; and,

in any of the foregoing linking radicals, any remaining free valences of the carbon atoms of said linking radical are saturated by H, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, or a mixture thereof;

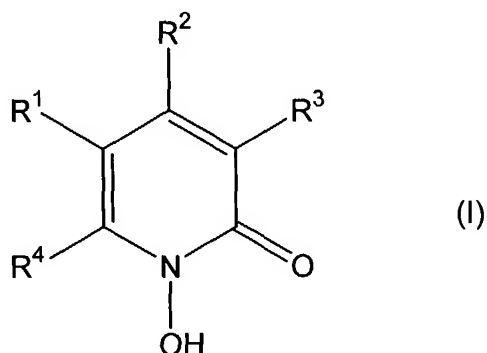
and

Ar is an aromatic ring system having two rings, the aromatic ring system being unsubstituted or substituted by one, two, or three radicals, which are identical or different, and are chosen from halogen, methoxy, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, trifluoromethyl, and trifluoromethoxy, and wherein Ar is a bicyclic system derived from biphenyl, diphenylalkane, or diphenyl ether; and

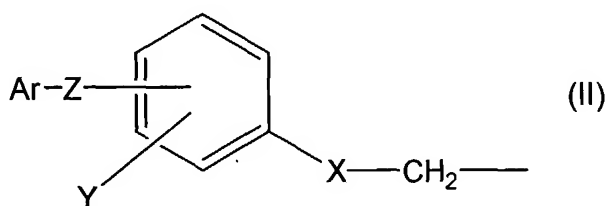
(B) at least one surfactant chosen from anionic surfactants, cationic surfactants, nonionic surfactants, and amphoteric surfactants; and  
wherein the composition is one phase.

25. (New) A method of treating a human or animal patient in need of treatment for seborrheic dermatitis comprising administering to the patient an amount effective for the treatment of seborrheic dermatitis of a composition which comprises:

(A) at least one 1-hydroxy-2-pyridone of formula I, wherein the at least one 1-hydroxy-2-pyridone is present in free form or as a pharmaceutically acceptable salt:



where  $R^1$ ,  $R^2$ , and  $R^3$ , which are identical or different, are H or alkyl having 1 to 4 carbon atoms, and  $R^4$  is a saturated hydrocarbon radical having 6 to 9 carbon atoms or a radical of formula II:



where:

- X is S or O;
- Y is H, or 1 or 2 identical halogen atoms, or a mixture of 2 different halogen atoms;
- Z is a single bond, or  
a linking radical comprising

(1) O, or

(2) S, or

(3) -CR<sub>2</sub>-, where R is H or (C<sub>1</sub>-C<sub>4</sub>)-alkyl, or

(4) from 2 to 10 carbon atoms linked in the form of a straight or branched chain,

which optionally further comprises one or more of the following:

(i) a carbon-carbon double bond, and

(ii) O, S, or a mixture thereof, wherein if 2 or more O or S atoms or a mixture thereof are present, each O or S atom is separated by at least 2 carbon atoms; and,

in any of the foregoing linking radicals, any remaining free valences of the carbon atoms of said linking radical are saturated by H, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, or a mixture thereof;

and

Ar is an aromatic ring system having two rings, the aromatic ring system being unsubstituted or substituted by one, two, or three radicals, which are identical or different, and are chosen from halogen, methoxy, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, trifluoromethyl, and trifluoromethoxy, and wherein Ar is a bicyclic system derived from biphenyl, diphenylalkane, or diphenyl ether; and

(B) at least one surfactant chosen from anionic surfactants, cationic surfactants, nonionic surfactants, and amphoteric surfactants; and  
wherein the composition is a shampoo.